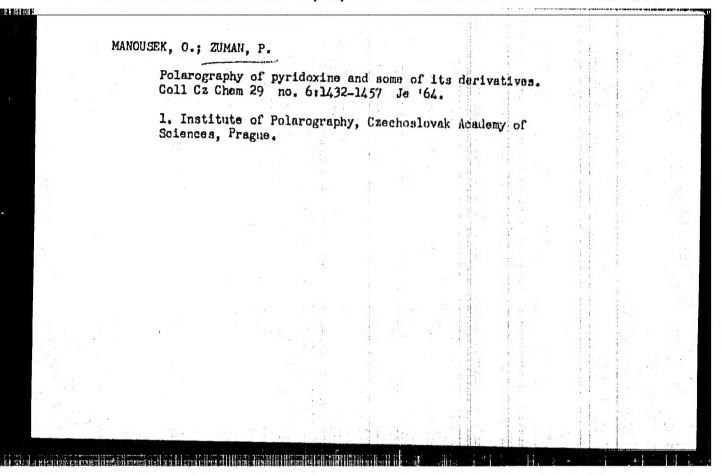
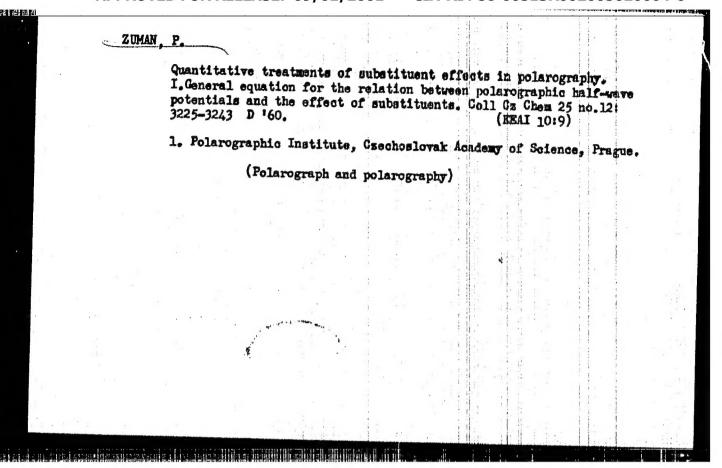


TALVIK, A.; ZUMAN, P.; EXNER, O.

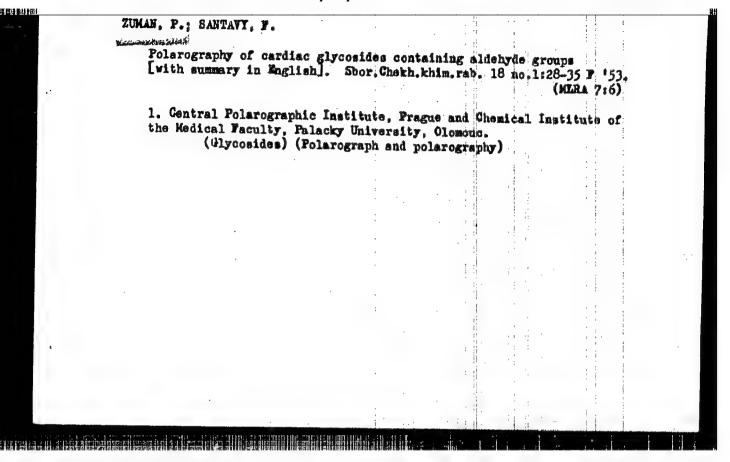
Studies on the inductive effect. Pt.3. Coll Cz Chem 29 no.5: 1266-1276 My '64.

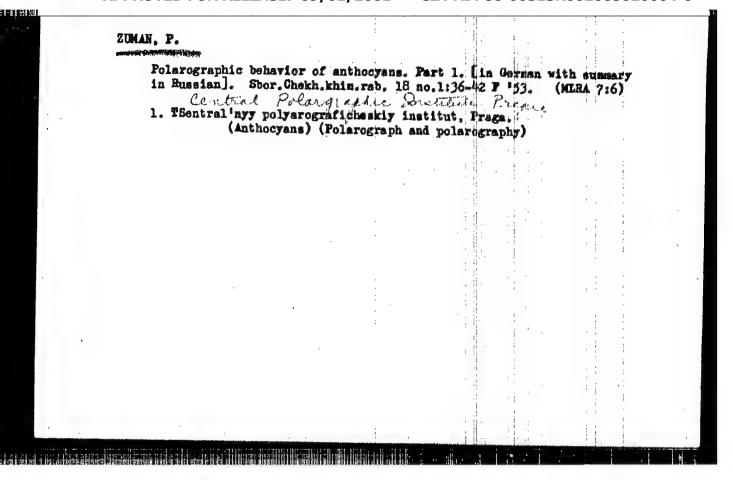
1. Institute of Polarography, Czechoslovak icademy of Sciences, Prague (for Zuman and Exner). 2. Chemical Department, Tartu State University, Tartu, Estonian S.S.R. (for Talvik).

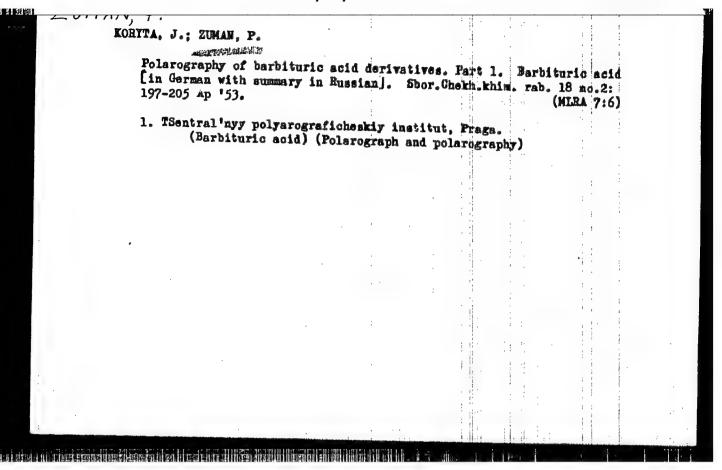




electrode. III. The course of the reduction of N,N'-polymethylene- bis-sydnones. IV. Polar effects of substituents in phenylsydnones; the application of modified Hammet equation. Coll Cz Chem 25 no.12: 3245-3270 D '60. (EEAI 10:9)
1. Polarographic Institute, Czechoslovak Academy of Science, Prague.  (Polarograph and polarography) (Aromatic compounds) (Sydnone) (Electrode, Dropping mercury) (Phenylsydnone) (Hammett equation) (Methylene group)







ZUMAH, P.: PROCHAZKA, Z.

Com ined form of ascorbic acid. Fart 4. Polarographic determination of ascorbic acid in ascorbigen concentrates [with summary in German].

Sbor. Chekh. khim.rab. 18 no. 4: 442-449 Ag '53. (MERA 7:6)

1. TSentral 'nyy polyerograficheskiy institut i TSentral 'nyy khimicheskiy institut, Prags. (Vitamins) (Polarograph and polarography)

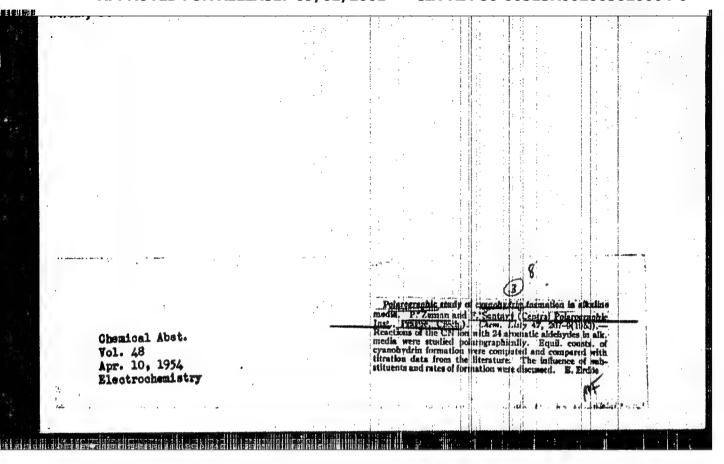
ZUMAN, P.; ZUMANOVA, R.; SOUCEK, B.

Polorographic determination of carbon bisulfide by anode rays Lin German with summary in Russian]. Sbor. Chekh, khim. rab. 18 no. 5:632-647 0.\*53. (NLRA 7:6)

1. TSentral nyy polyarograficheskiy institut i Institut professional nykh zabolevaniy i trudovoy gigiyeny. (Carbon bisulfide) (Polarograph and polarography)

# ZUMAN P. Polarographic determination of carbon disulphide from its anodic wave. p.178 (Chemicke Listy. Vol. 47, no.2, Feb. 1953) Czechoslovakia SO: Monthly List of East European Accessions, Vol. 2, #8 Library of Congress, August 1953, Incl.

	ZUMAN, P.				1	3.00	CONTRACTOR
	"Polarographic determinat LISTY, Vol. 117, #2, Feb.	ion of carbon	disulphide lovakia)	from its	anodic wave."	p. 109.	(CHEMICKE
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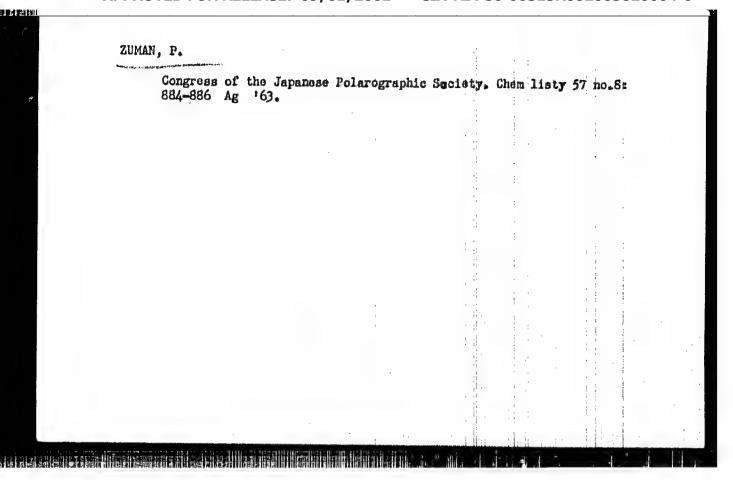


ZUMAN, P.; SUE-IUAN TANG

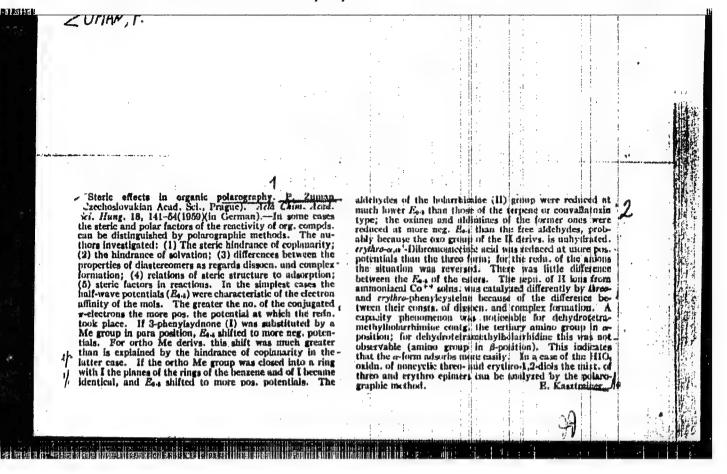
Fission of activated carbon-nitrogen and carbon-sulfur bonds.

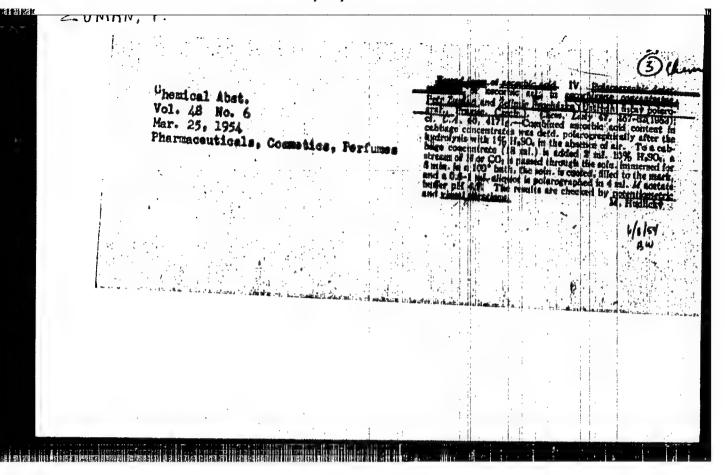
Coll Cz Chem 28 no.4:829-837 Ap '63.

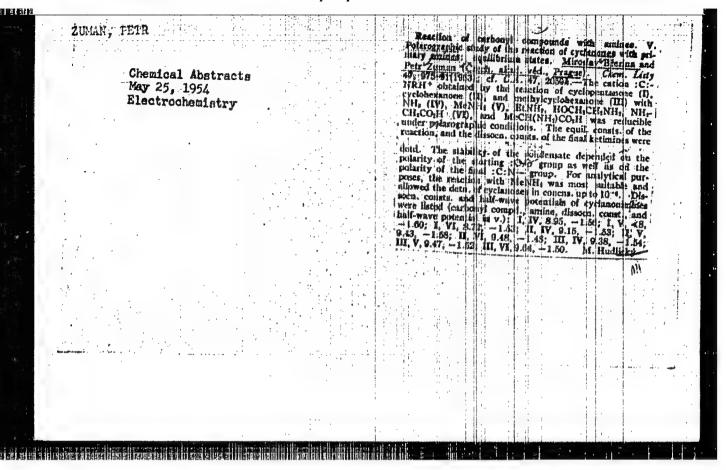
1. Folarographic Institute, Czechoslovak Academy of Sciences,
Prague. 2. Petroleum Research Institute, Chinese Academy of Sciences, Talien, China (standing address for Sue-yuan Tang)

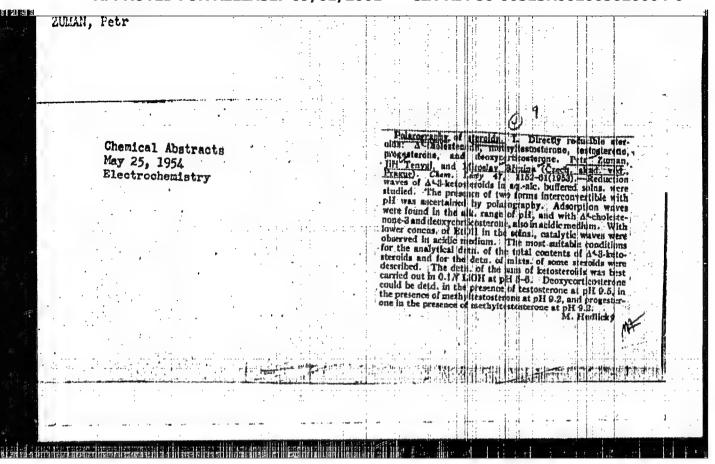


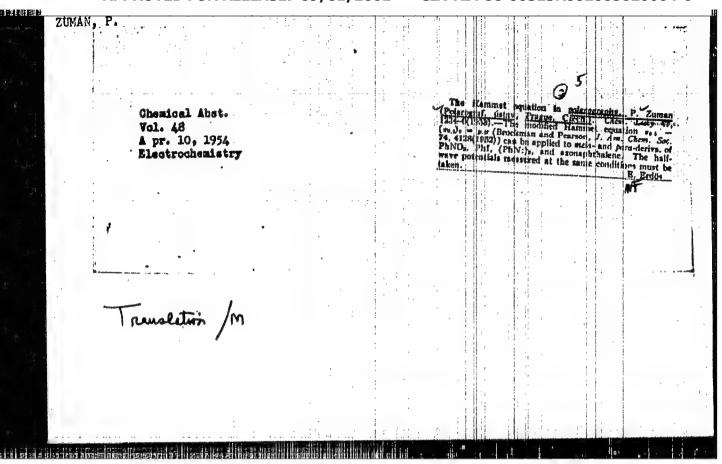
" Polarography of E (Chemicke Listy, Vo.	arbituric Acid Derivativ 1.47, Noe3, Mar. 1953, P.	es, Part 2.	Veronal," p	. 345.	
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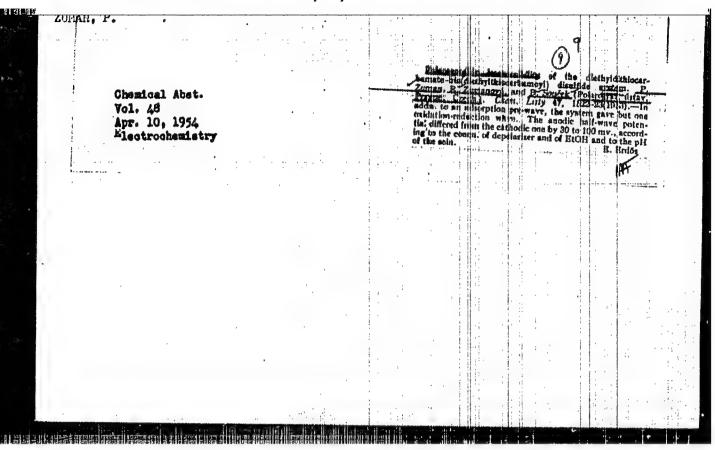


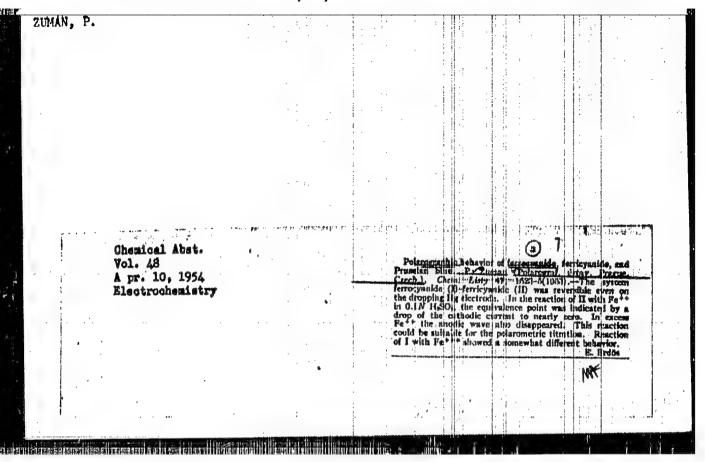








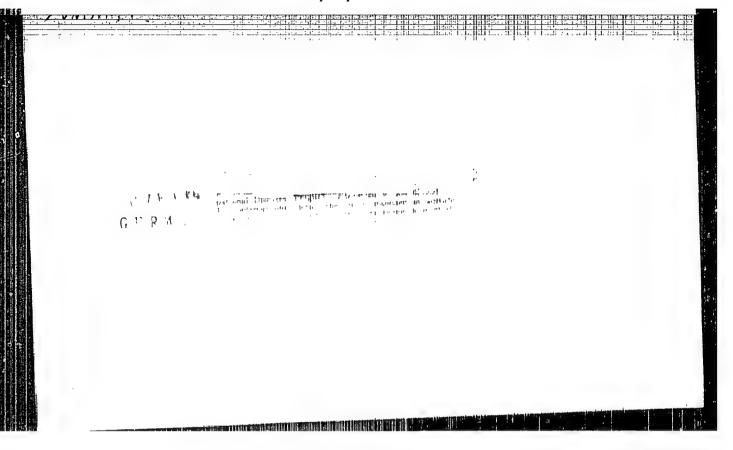




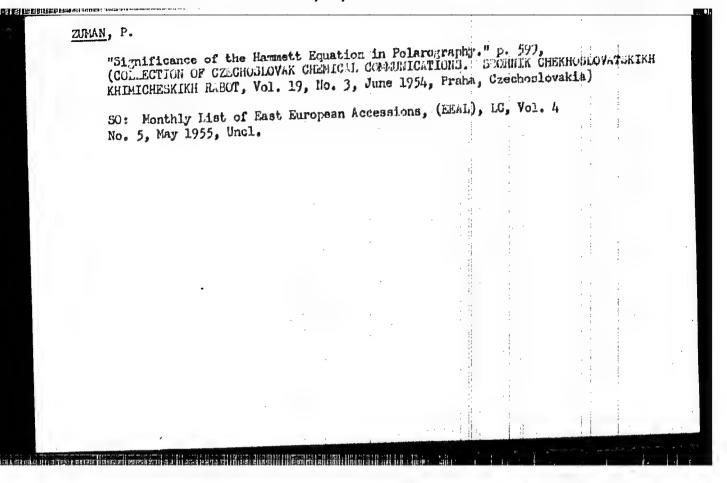
ZUMAN, P.

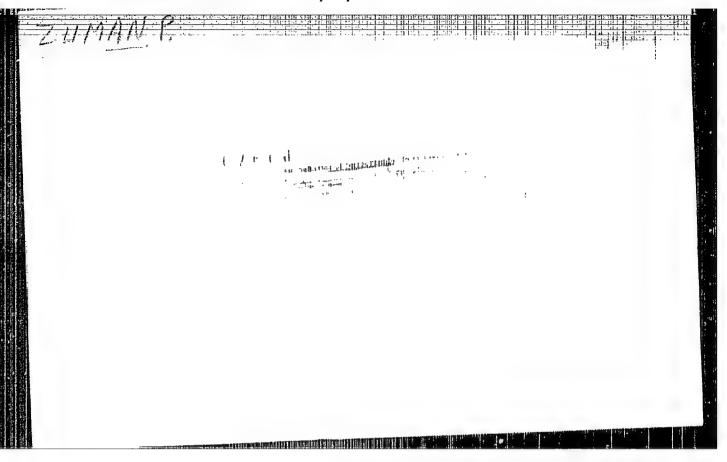
Vliv konstituce na polarograficke chovani organickych latek. (Vyd. 1.)

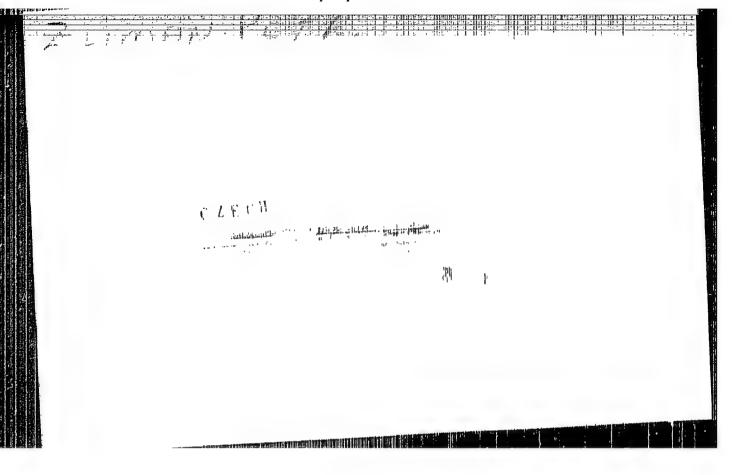
Praha, Nakl. Ceskoslovenske akademie ved, 1954. p. 63. (Ceskoslovenska akademie ved. Mala kniznice chemickych listr. Sekce chemicka, sv. 1) Effect of constitution on polarographic behavior of organic substances. 1st ed. bibl., diagrs., graphs, index, tables

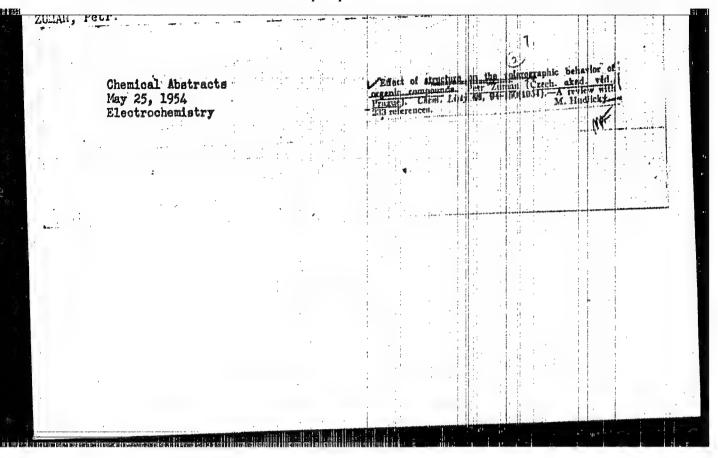


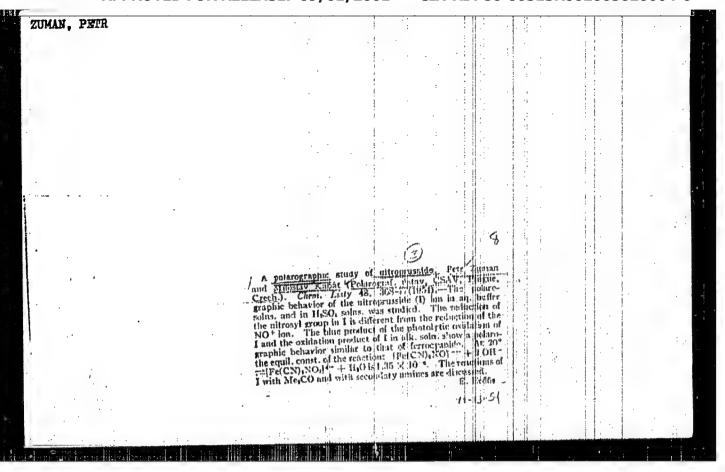
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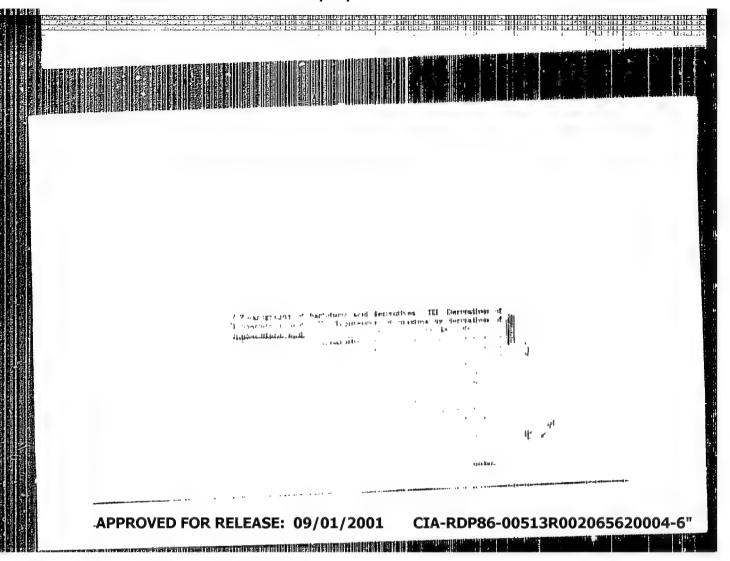


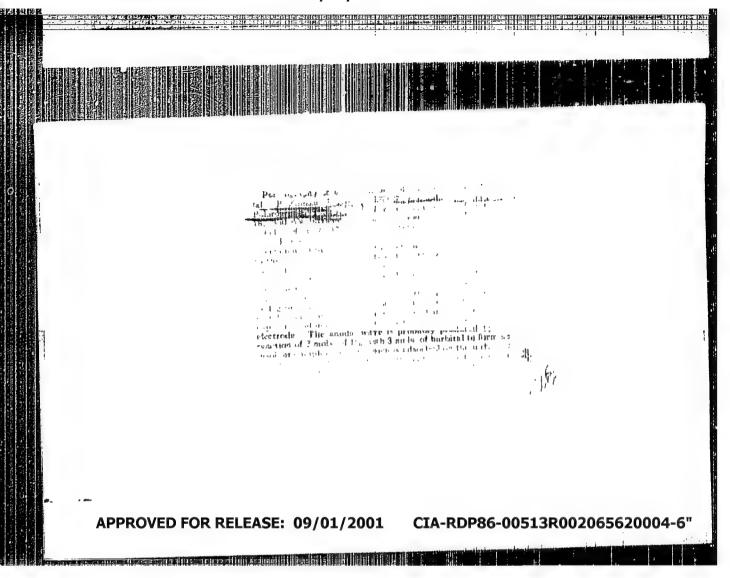










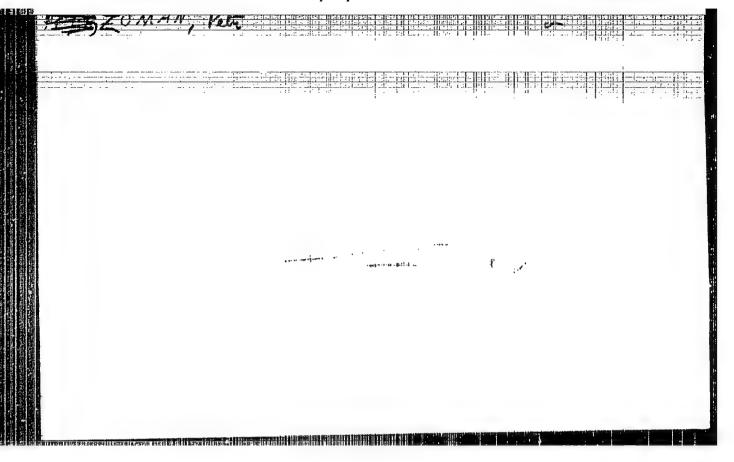


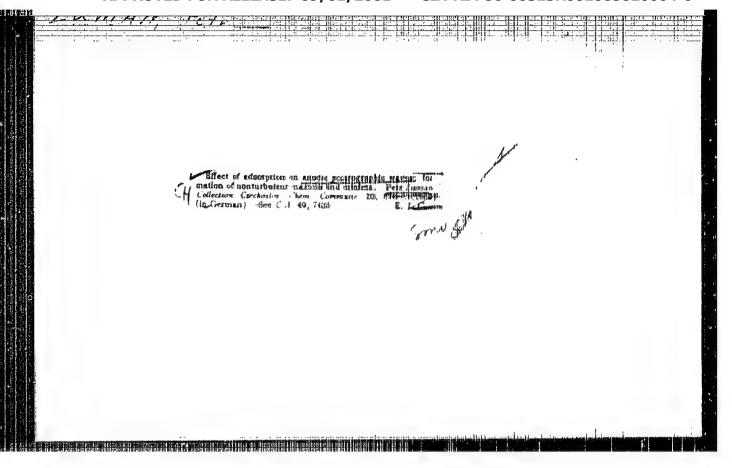
ZUMAN, P.; ZUMANOVA R.; TEISINGER, J.

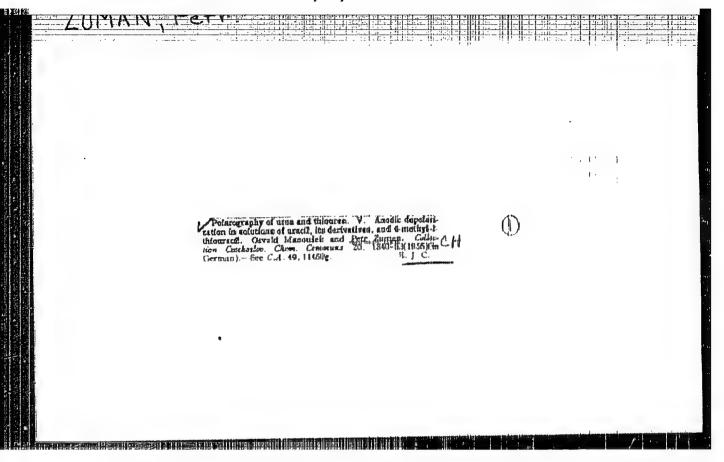
Polarography of some sulfur compounds. IV. Anodic waves of 2.3-dimercaptopropanol. In German. p. 139

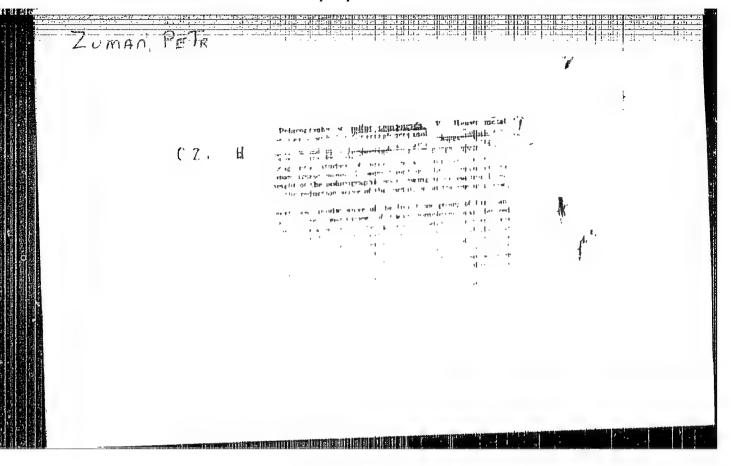
Vol. 20, no. 1. Feb. 1955 SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT Praha, Czecheslovakia

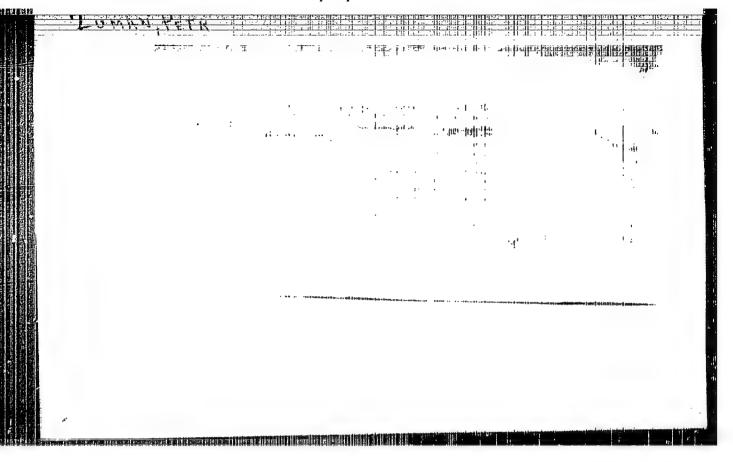
So: Eastern European Accession Vol. 5, No. 4, April 1956

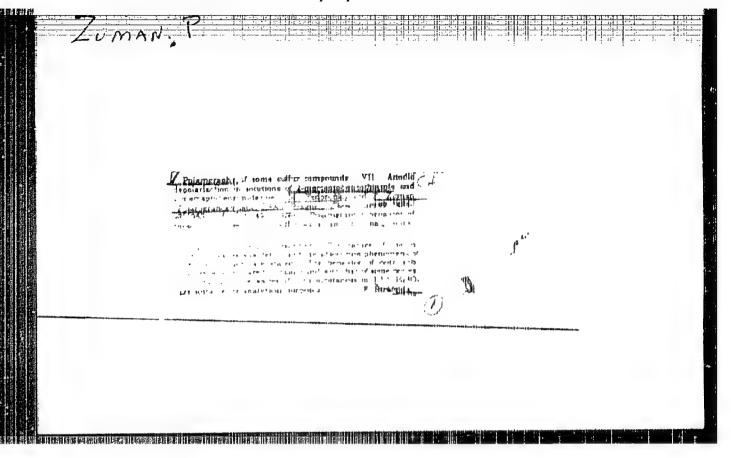












CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Ormanic Substances Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4872 Author Manousek Osvald, Zuman Peter Title : Polarography of the Derivatives of Urea and Thiourea. IX. Polarographic Determination of Derivatives of Thiobarbituric Acid and 4-Methyl-2-Thiburacil in Medicaments Orig Pub : Ceskosl. farmac., 1956, No 4, 193-195; Pharmizle, 1956, 11, No 8, 530-533 Abstract Determination of derivatives of thiobarbituric acid (I) is based in dissolution of  $\sim$  0.3 g of the preparation in 100 ml vater, 20-fold dilution with 0.1 M solution of NaOH and polarographic investigation in an atmosphere of N2. The polarograph of V 301 type is equipped with a mercurosulfate electrode; height of placeroli 75 cm, duration of fall of the drop 2.4 seconds. The results Card 1/3 - .64 -

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic Substances

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Abs Jour

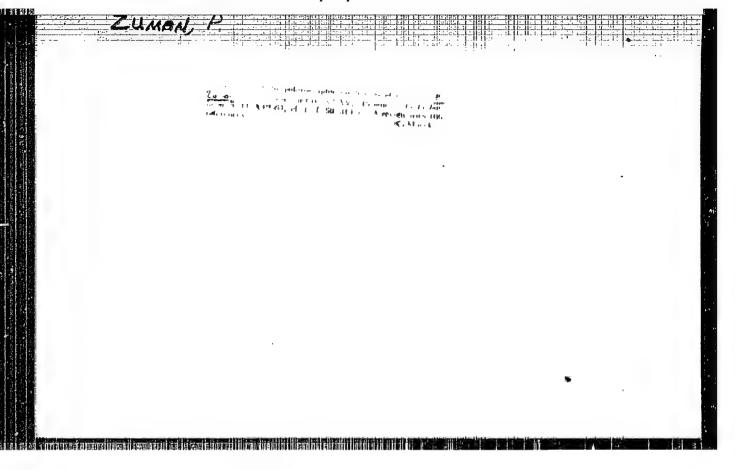
Referat Zhur - Khimiya, No 2, 1957, 4872

subjected to polarography.

In Alkyron tablets the polarographic determination showed 30.4% V, while the bromate- arsenite method showed 29.8% V.

Communication VIII, see RZhKhim, 1956, 77746.

Card 3/3



ZUMAN, P.

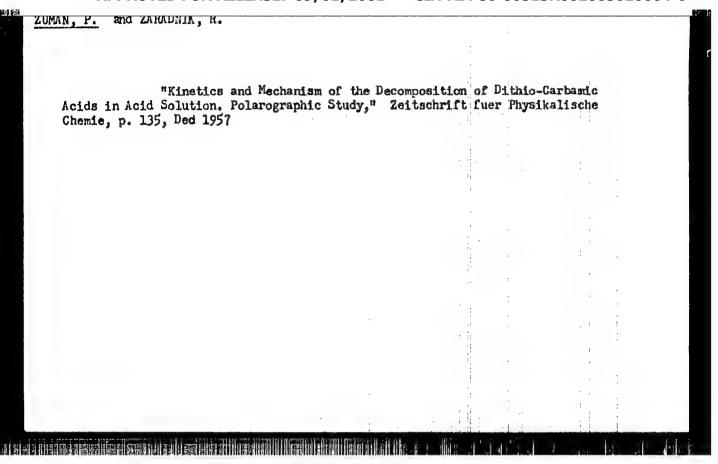
The polarographic determination of vitamins. In German. p. 279. (Acta Chimica, Vol. 9, No. 1/4, 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

ZUMAN, P.

ZUMAN, P. Polarography of some sulfur compounds. V. Complexes of 2, 3-dimercaptopropanols with heavy metals. In German. p. 121. Vol. 21, No. 1, Feb. 1956. SEDRNIK CHEKHISLOVATSKIKH KHIMICHESKIKH RAFOT. COLLECTION OF CZECHISLOVAK CHEMICAL COMMUNICATIONS. Praha, CZECHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6, NO 4-APRIL 1957



ZUMAN, P.

Importance of buffers in analytic chemistry.

p. 172 (Chemie, Vol. 9, no. 2, Apr. 1957, Praha, Czechoslowakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

ZUNAN, F.

A summer school on physical chemistry in Cambridge.

p. 298. (Chemie, Vol. 9, no. 2, Apr. 1957, Fraha, Czechoslovskip)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,

February 1958

ZUMAN, P.

The increased number of publications on analytic chemistry issued during the years following the Second World War.

P. 609 (Chemie) Vol. 9, No. 4, Aug. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VCL. 7, NO. 1, JAN. 1958

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ZUMAN, P.

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry.

Abs Jour: Ref Zhur-Khimiya, No 19,1958, 63904

: Zumanova R; Telsinger J; Zuman P

Author

: The Influence of Albumens on the Polarographic Inst Behavior of Metals and Their Compounds with Title

2.3-Dimercaptolpropanol.

Orig Pub: Chem. zvesii, 1957, 11, No 9, 517-527

Abstract: Waves of Au, Ag, Hg, Cu, Sb, Bi, Zn, Cd and Pb are reduced in a citric buffer solution (pH 6.3) with the addition of albumin (I) during which the dependence ipr on the I concentration is exponential. These data are explained by the

card 1/3

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63904

Abstract: complex formation of metals (M) with (I); in addition, the Au, Ag, Hg and Bi complexes are not reducible and in the absence of I the waves of these M disappear, while Cu, Cd and Pb complexes are reduced, and their waves are reduced with the addition of I to a somewhat limited value, which is determined by the coefficient of diffusion of these complexes. An adsorption retardation of the process simultaneously appears, which indicates the character of the ipr dependence of the reduced waves on the height of the reservoir Hg and the reduction of the Cu wave only in the limited area of potentials (trough). With the addition of I to the solutions of complexes of M with 2.3-dimercaptolpropanol (II), the M waves are also reduced but only because of the adsorption

card 2/3

11

ZUMAN, P.; ZUMANOVA, R.

"Polarography of some sulfur compounds. XI. Oxidation and some other reactions of the 2,3-dimercaptopropanol. In German."

p. 929 (Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot.) Vol. 22, no. 3, June 1957. Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

ZUMAN, PETR

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic Substances. E-3

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14234.

Author : Zuman Petr, Krupicka Josef

Inst: Polarographic Method of Studying the Interaction of Periodic

Acid with Olycols.

Orig Pub: Chem. listy, 1957, 51, No 3, 424-432.

Abstract: The method of polarographic determination of periodic acid
(I) is utilized for a continuous study of the interaction

of salts of I with glycols. The advantage of the abovestated method is its speed which permits to study the kinetics of the reaction, as well as its specific nature, small expenditures of materials and the possibility of determining of a number of substances. A vessel is described which makes it possible rapidly to add and withdraw the solutions, effect rapid and efficient agitation and to eliminate, as

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#### CIA-RDP86-00513R002065620004-6 "APPROVED FOR RELEASE: 09/01/2001

CZECHCSLOVAKIA/Organic Chemistry. Theoretical and General Questions on Organic Chemistry.

0-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43207.

Author : Zuman Petr. Sicher Jiri, Krupicka Josef, Svoboda

Miroslav.

Inst

: Stereochemical Studies. VII. Oxidation of Diastereo-Title

isomeric Diols of RCH(OH)CH(OH)R' Type with Periodate.

Orig Pub: Chen. listy, 1957, 51, No 6, 1068-1081.

Abstract: Polarographic study (see Communication VI, RZhKhim,

1956, 78180) of the rate of oxidation of nine pairs

of acyclic diols of RCH(OH)CHCHR' type with periodate

at different pH (2-7.9) and diol concentration (6 . 10 - 9 . 10 - 1 M). Investigated were ethylene glycol (I), three- and erythre-isomers of

: 1/3 Card

CZECHOSLOVAKIA/Organic Chemistry. Theoretical and General Questions on Organic Chemistry.

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Abs Jour: Ref Zhur-Khim., No 13, 1958, 43207.

ment taking place after the interaction of diol with NaIO4. A refutation is presented of the assumption that the determinant stage is the decomposition of the cyclic intermediate product of interaction of diol and HIO4 or IO4, direct interaction of diol with NaIO4 or ionization of diol, preceding the reaction with NaIO4. At all values of concentration and pH the three-epimers are oxidized more rapidly than erythro-epimers. Thus, from the rate of oxidation it is possible to determine the configuration of substances of this type.

Card : 3/3

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ZUMAN, P.E. BRAUDE AND F. NACHOD

"Metermination of Organic Structures by Physical Methods; a book review. p. 1386."

p. 1386 (Chemicke Listy, Vol. 51, No. 7 July 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

## ZUMAN, P

Czechoslovakia

Folarographic Institute, Czechoslovak Academy of Science -- Prague (Ceskoslovenska akademia věd -- Praha)

Prague, Collection of Czechoslovak Chemical Communications, No 9, 1962, pp 2035-2056

"Quantitative Treatments of Substituent Effects in Polarography. IV. Linear Free Energe Relationships in Quinoid Series."

ZUMAN, P; SÜE-YUAN TANG.

Czechoslovakia

Polarographic Institute, Czechoslovak Academy of Science -- Prauge; Petroleum Research Institute, Chinese Academy of Science, Talien, China - (for Tang)

Prague, Collection of Czechoslovak Chemical Communications, No 4, 1963, pp 829-837

"Fission of Activated Carbon-nitrogen and Carbonsulphur Bonds. III (PartII - for PartI see Journal 27, 187 (1962) and Reduction of the C-S Bond in Methyl Butyl Phenacyl Sulfonium Perchlorate."

2

# "APPROVED FOR RELEASE: 09/01/2001

# CIA-RDP86-00513R002065620004-6

5/081/65/000/001/029/061 B144/B186 quantitative estimation of substituent effects in polarography. II. Free energy relations in monocyclic Zuman, P. heterocyclic series. III. Substituents in ortho-position VALIBHOR: Referetivnyy zhurnul. Khimiya, no. 1, 1963, 102, abstract
18712 (Collect. Czechosl. Chem. Gommuns, v. 27, no. 3, 1962,  $TTLP_{\mathbb{R}^2}$ 630-647; 648-666 [Eng.; summary in Russ.]) Linear relations are suggested for the dependence of E1/2 shifts PERIODICAL: in monocyclic heterocyclic compounds on the changes in their structure. The following cases are considered: (1) the heterocyclic ring is reduced; whereby the substituent is either directly in the ring, or its effect is transmitted through the benzene ring (the substituent being in meta- or TEXT: II. para-position); (2) a group in the gide chain is reduced; whereby the effect of the substituent is transmitted either through the heterocyclic ring, or the nature of the heterocyclic ring itself affects the reduction, Card 1/2

Quantitative estimation ...

S/081/63/000/001/029/061 B144/B186

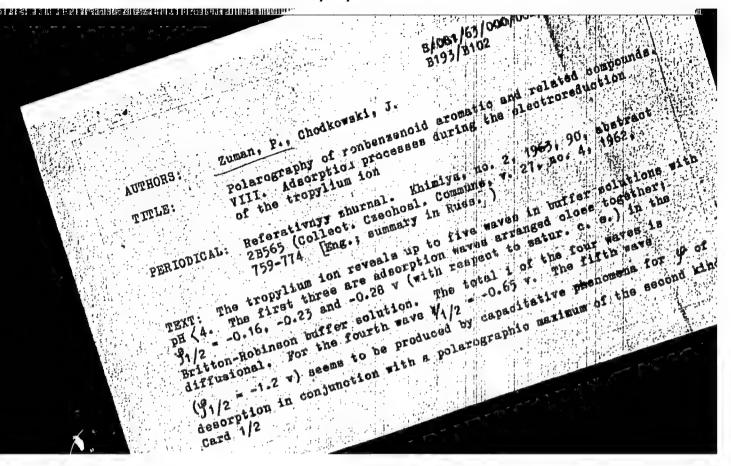
or the substituent is directly in the side chain. Examples of compounds are given and equations are suggested for each of the cases discussed. III. For ortho-substituted compounds of the aromatic series, Hammett's equation cannot be used; Taft's equation is suitable for estimating the effect of ortho-substituents. This equation was applied for establishing the connection between the nature of the ortho-substituent and  $E_{1/2}$ . It

is also suggested that an estimation of this effect, be based on the value of the "ortho-shift"

 $\Delta = E_{1/2}^{0-X} - E_{1/2}^{p=X}$  (the superscripts indicate that the substituent X is

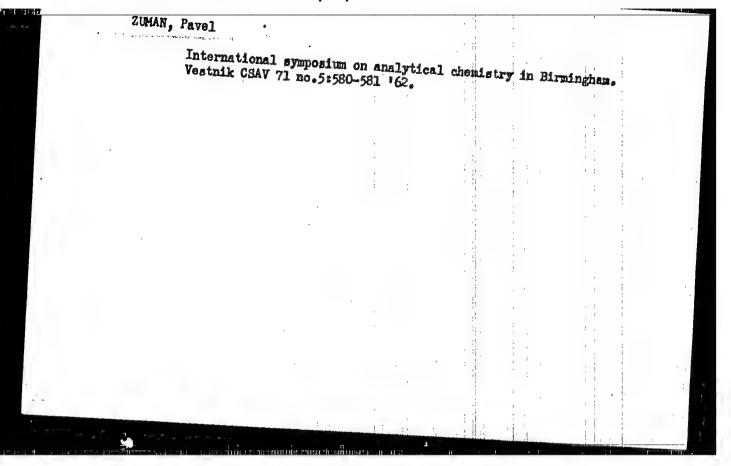
in ortho- or para-position). Based on these conceptions, frequent cases of the effect of ortho-substituents are considered, which are connected with the disturbance of the coplanarity of the molecule and with the formation of an intramolecular hydrogen bond. Communication I see RZhKhim 1962, 5B515. [Abstracter's note: Complete translation.]

Card 2/2



Polarography of nonbensencid ... 3/081/53/000/002/013/088

The first adsorption wave corresponds to plane orientation; theoretically 29 A<sup>2</sup> cathods surface covers one hoptagon ring of reaction product. The second adsorption wave corresponds to alliferent semi-molecular layer. For the fourth wave ocrosponds to tile formation of a desorbed (see also RZhKhim, 1959, no. 9, 30670). For commun. VII see RZhKhim, 1962, 6B531, [Abstracter's note: Complete translation.]



CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Organic

E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77364.

Author : Zurvan P., Krupicka J.

Title

: A Polarographic Method for the Study of Clycol Fission by Periodic Acid.

Orig Pub: Collect. czechosl. chem. commun., 1958, 23, No 4,

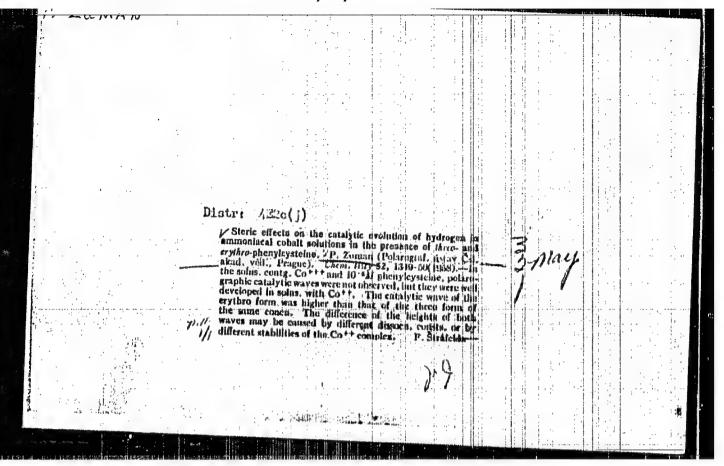
Abstract: See RZhKhim, 1958, 14234.

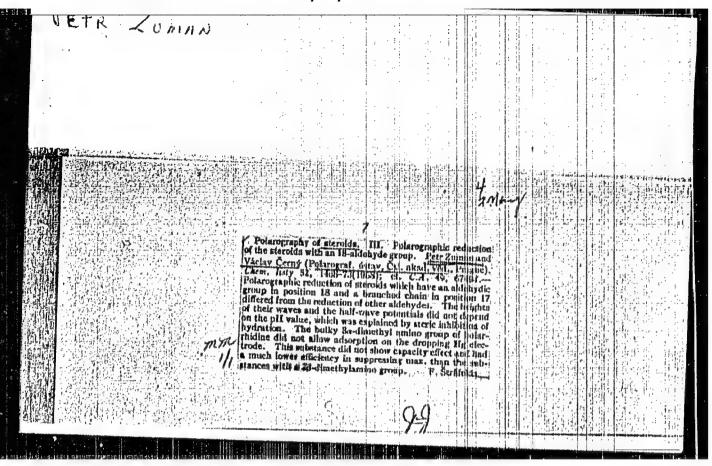
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Country Catogory Abs. Jour.	Czechoslovakia Organic Chemistry. Theoretical Chemistry	rgadio	G-1	;
	Ref. ZhurKhimiya No. 6, 1969		19286	
Author Institut. Title	Zuman, P.; Sicher, J.; Krupi		voboda, M.	:
Orig Pub.	of Diastereoisomeric Diols o CH(OH).R:. Collect. czechosl. chem. com No 7, 1237-1251	* ATTES TALMED	N CHIANI	:
	: See RZhKhim, 1958, 43207.			
	1950, 43207.	*		
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CZECHOSLOVAKIA / Physical Chemistry. Kinotics, Combustion. Explosives. Topochomistry. B+9 Catalysis. Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76707. Author : Zahradnik, Ri and Zuman, P. Inst : Not given. Title : Carbamates, Monothiocarbamates, and Dithiocarbamates. VIII. A Polarographic Study of the Kinetics and of the Mechanism of the Decomposition of Dithiocarbamic Acids in Acid Medium. Orig Pub: Chem Listy, 52, No 2, 231-242 (1958) (in Czech). Abstract: The mochanism of the decomposition of nine monoalkyl- and nine dialkyldithiocarhamates has been investigated as a function of Ar7. The rate constant k for the decomposition has the form k' = k/H///(/H// / K), where k' is the apparent Card 1/2





ZUMAN, P.

"New trends in the qualitative analysis of organic compounds"

Chemicke Listy. Praha, Czechoslovakia. Vol. 53, no. 3, Mar 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

ZUMAN, P. ; MANOUSEK, O.

Polarography of derivatives of urea and thioures. V. Amodic depolarisation in solutions of uracil, it derivatives, and h-methyl-2-thiouracil. p. 668

CHIMICKE LISTY (Ceskaslovenska akademic ved. Ceskaslovensak spolecnost chemicks) Praha, Czechoslavaskia. Vol. 49, no. 5, May 1955

Monthly List of East European Accessions (ERAI) LC. Vol. 9/ 1960

ZUMAN, P.; ZUMANOVA, R.

9241AB

Polarography of some sulfur compounds. V. Complexes of 2, 3,- dimercapto-propanol with heavy metals. p. 652.

CHIMICKE LISTY (Ceskaslovenska akademic ved. Ceskaslovensak spolecnost chemicks) Praha, Czechoslavakia. Vol. 49, no. 5, May, 1955

Monthly List of East European Accessions (EEAI) EC, Vol. 9/1960 Uncl.

# ZUMAN, P.

Steric effects in the polarography of organic compounds. p. 154.

CHEMICKE LISTY. (Ceskoslovenska akademie ved. Chemicky ustav) Praha, Czechoslovakia, Vol. 53, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, no. 11, Nov. 1959

CATEGORY	3-12 B-12
ABS. JOUR.	RZKhim., No. 5 1960, No. 17174
UTHCR ANST. TITLE	<ul> <li>Zuman, P.</li> <li>Not given</li> <li>Steric Effects in the Polarography of Organic Compounds</li> </ul>
ORIG. PUB.	# Chem Listy, 53, No 2, 15/-165 (1959)
ABSTRACT	4 A review article with a bibliography listing 58 titles.
	S. Zhdanov
CARD: 1/1	

CARSKY, P.; ZUMAN, P.; HORAK, V.

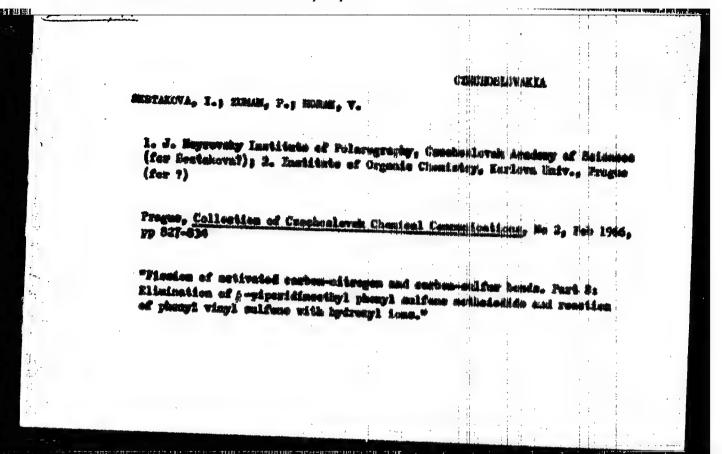
Fission of activated carbon-nitrogen and carbon-rullphur bonds.
Pt. 5. Coll Ca Chem 2 no.12:30/A-3056 D '64.

1. J. Heyrvesky Institute of Polarography of the Casaloglovek:
Academy of Sciences, and Department of Organia Chemistry of Charles University, Prague. 2. Mitoria: Board Member, "Collection of Czechoslovak Cherical Communications" (for Japan).

ZUMAN, P.; MAHOUSEK, O.; HORAK, V.

Fission of activated carbon-nitrogen and carbon-sulphur bonds. Pt.6. Coll Cz Chem 29 no.12:2906-2912 D '64.

1. Jaroslav Heyrovsky Institute of Folarography of the Czechoslovak Academy of Sciences, and Institute of Organic Chemistry of Charles University, Prague. 2. Editorial Found Mamber, "Collection of Czechoslovak Chemical Communications" (for Zuman).

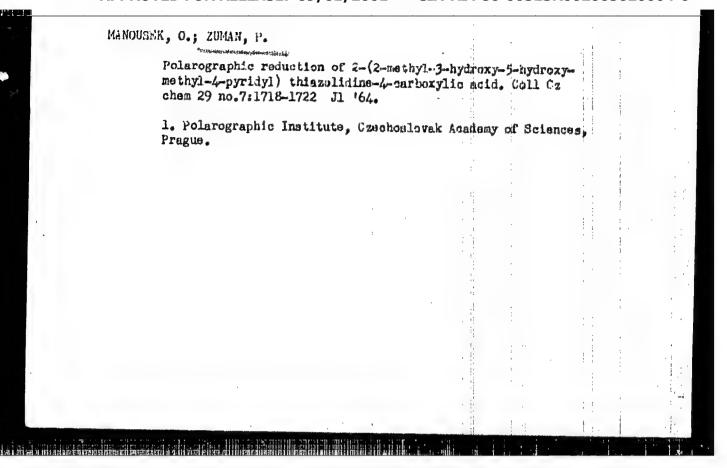


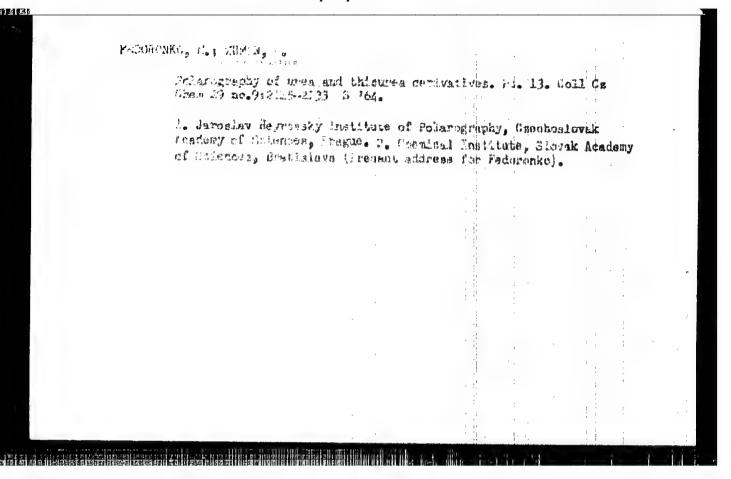
CARSKI, P., MANN, P., HORAE, V.

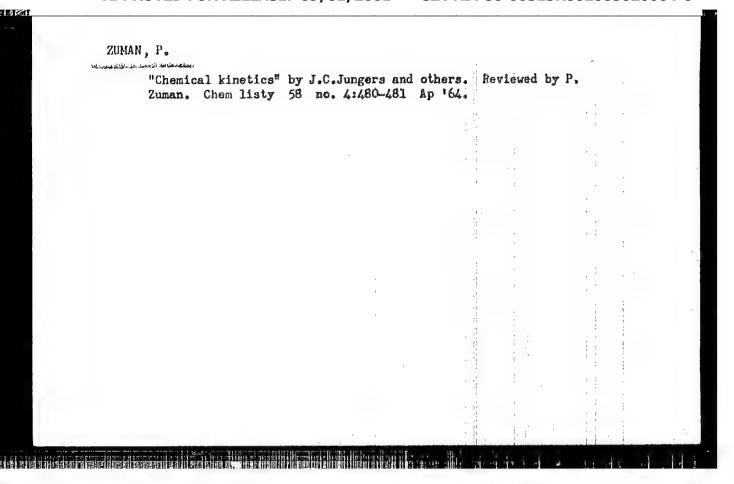
1. J. Hayrovsky Institute of Polarography, Cambbolovsk Associate of Release, frague - (for ?): 2. Department of Organic Chemistry, Karlova University, Frague, Collection of Cascheblovak Chemical County Harlova University, Frague, Collection of Cascheblovak Chemical County Harlova, No. 12,

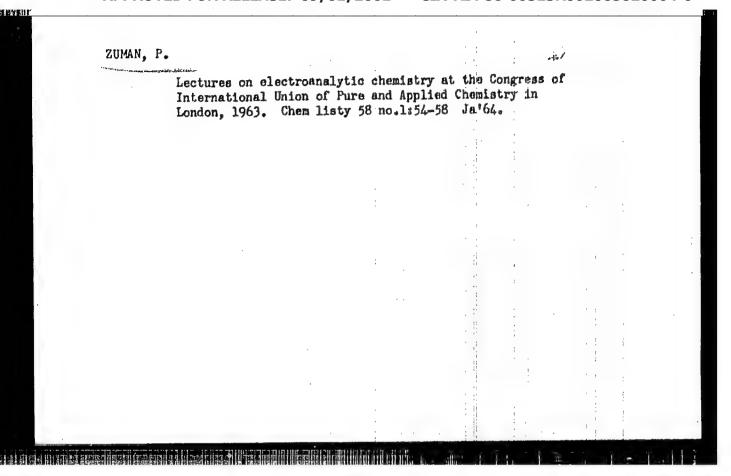
Proceeds 1965, pp 4316-4336

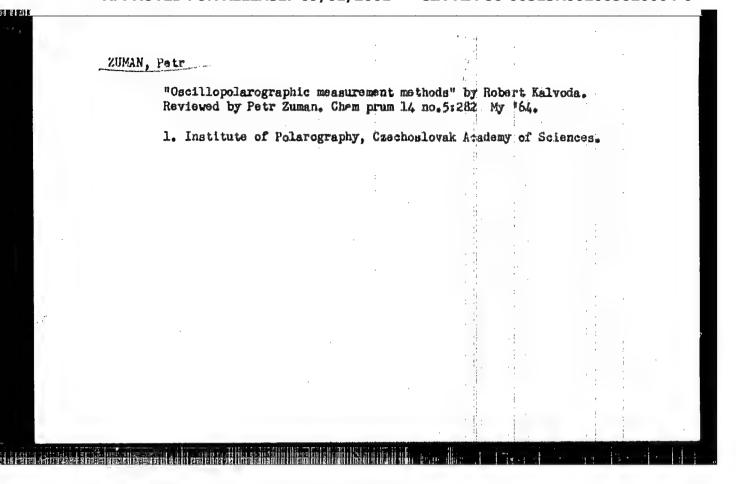
"Fission of activated carbon-mitrugen and dechor-motive bends, fart 7: media, of ketul formation from physomeasumuled kulomes in alkalism and the 75th birthday of Academician J. Hayrovsky).

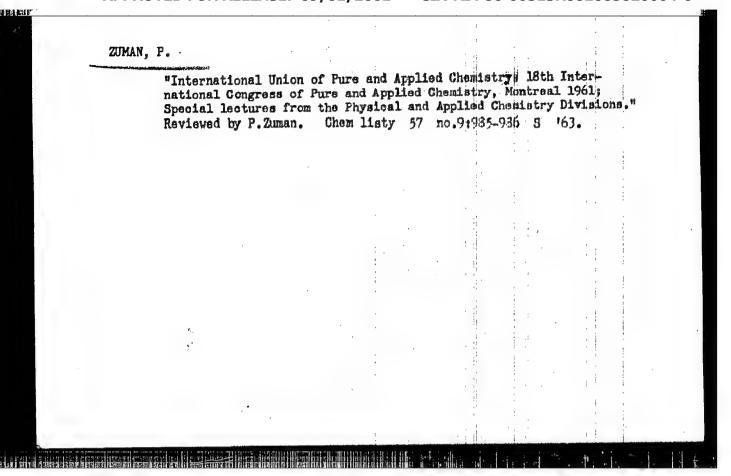




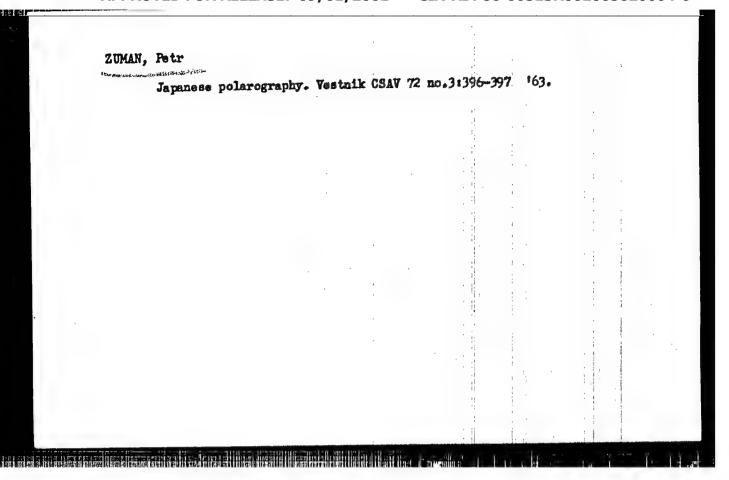


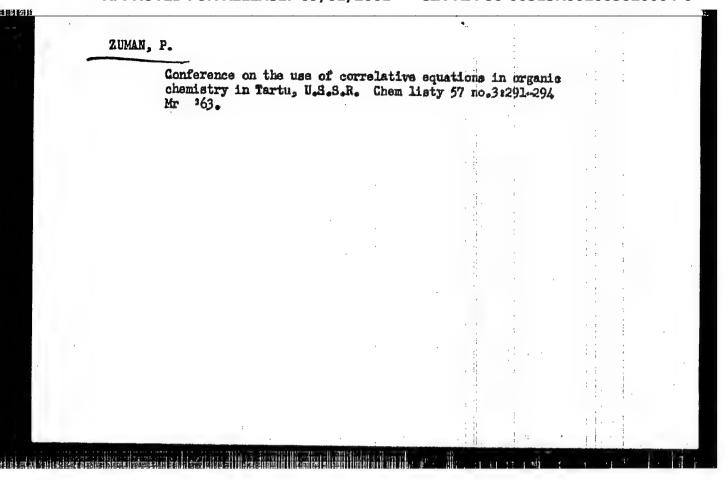


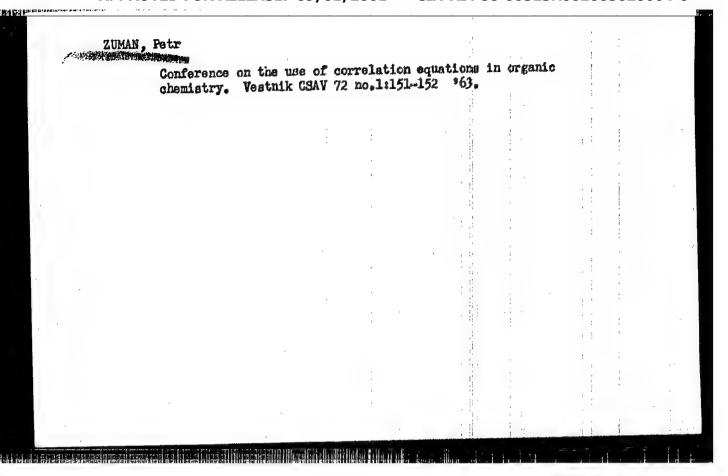




# A new type of maximum on the limiting current of the reduction wave of phenacyl sulfonium ions. Coll Ca Chem 28 no.6:1524-1534 Je \*63. 1. Polarographic Institute, Czechoslovak Academy of Sciences, Prague (for Zuman). 2. Petroleum Research Institute, Chinese Academy of Sciences, Talien, China (for Sue-Tuan Tang).







COUNTRY : Czechsoslovakia B-9
CATEGORY :

ABS. JOUR. : AZKhim., Wo. 23 1959, No. 81371

AUTHOR : Zahradnik, R.; Zuman, P.
INST. : Not given

TITLE : Carbaminate, Monothiocarbaminates and Dithiocarbaminates. VIII. Polarographic Studies of the Kinetics and Mechanism of Dithiocarbaminates. Collect. Czechosl. Chem. Communs., 1959, 24, ft, 1132-1145.

ABSTRACT : See RZEhim, 1958, #23, 76707.

ZIMAN, P., and others.

"Stereochemical studies. VII. Oxidation of diastereoisomeric diols of the type R.CH(OH). CH(OH). R' with periodate."

p. 1068 (Chemicke Listy, Vol. 51, no. 6, June 1957, Praha, Gzechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

ZUMAN, P.

"Mechanism of homogenous reactions of organic matter. II. Methods of the reaction kinetics. (Conclusion)"

p. 482 (Chemie, Vol. 10, no. 6, June 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

ZUMAN, P.

PHASE I BOOK EXPLOITATION

CZECH/2433

24(2,4)

International Polarographic Congress. 1st, Prague, 1951

Sborník I. Mezinarodního polarografického sjezdu. Dil 3: Hlavni referaty prednesene na sjezdu. Proceedings...Vol 3: Reviews Read at the Congress. Praha, Přírodovědecke vyd-ví [1952] 774 p. 2,000 copies printed.

Resp. Ed.: Jiri Koryta, Doctor; Chief Ed. of Publishing House:
Milan Skalník, Doctor; Tech. Ed.: Oldrich Dunka.

PURPOSE: The book is intended for chemists, chemical engineers, and physicists.

COVERAGE: The book is a collection of reviews and original papers read at the International Polarographic Congress held in Prague in 1951. Uses of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In the section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which

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	Proceedings (Cont.)	
	have not been published in Volume I are presented. The following scientists participated in the opening of the following scientists participated in the opening of the following scientists participated in the opening of the Congress: Professor Wiltor Kemula, Dean of the Faculty Congress: Professor Wiltor Kemula, Dean of the Faculty of Sciences, Warsaw; Doctor Jaromir Dolansky, Minister of Planning; Professor Jaroslav Herovsky, Chairmen of of Planning; Professor Jaroslav Fukatko, Chairman the Congress; and Professor Jaroslav Fukatko, Chairman of the Center for Scientific Research and Technical Development. References follow each paper.	
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